

Notice of Allowability	Application No.	Applicant(s)	
	10/620,313	YOSHIZAWA ET AL.	
	Examiner	Art Unit	
	James L. Habermehl	2651	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed 6 Jun 05.
2. ☒ The allowed claim(s) is/are 1-7.
3. ☒ The drawings filed on 06 August 2003 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| <ol style="list-style-type: none"> 1. <input type="checkbox"/> Notice of References Cited (PTO-892) 2. <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948) 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date <u>6 Jun 05</u> 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | <ol style="list-style-type: none"> 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. 7. <input type="checkbox"/> Examiner's Amendment/Comment 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance 9. <input type="checkbox"/> Other _____. |
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1. This Office action is in response to amendment filed 6 June 2005, which papers have been placed of record in the file.

2. Claims 1-7 are allowed over the prior art of record. The following is an examiner's statement of reasons for allowance:

Claims 1 and 7 are allowable over the prior art of record since the cited references taken individually or in combination fails to particularly disclose a magnetic disk medium and a method of securing data thereon comprising the first ID information is different from the second ID information, as presented in the environment of claims 1 and 7. It is noted that the closest prior art, Albrecht et al., shows recording ID information similar to the claimed invention. However, Albrecht et al. fails to disclose the first ID information is different from the second ID information as claimed.

Claim 2 is allowable over the prior art of record since the cited references taken individually or in combination fails to particularly disclose a magnetic disk medium comprising the uneven surface structure of the preformatted region include pits that are sufficiently deep in relation to the uniform surface structure of the non-preformatted region to prevent inversion of magnetization direction by a magnetic field generated by a disk drive write head, as presented in the environment of claim 2. It is noted that the closest prior art, Albrecht et al., shows forming pits similar to the claimed invention. However, Albrecht et al. fails to disclose the uneven surface structure of the preformatted region include pits that are sufficiently deep in relation to the uniform surface structure of the non-preformatted region to prevent inversion of magnetization direction by a magnetic field generated by a disk drive write head as claimed.

Claim 3 is allowable over the prior art of record since the cited references taken individually or in combination fails to particularly disclose a magnetic disk medium comprising a pair of the first ID information and the second ID information are recorded on each recording surface of the magnetic disk and each pair has a different ID information, as presented in the environment of claim 3. It is noted that the closest prior art, Albrecht et al., shows recording ID information similar to the claimed invention. However, Albrecht et al. fails to disclose a pair of the first ID information and the second ID information are recorded on each recording surface of the magnetic disk and each pair has a different ID information as claimed.

Claim 4 is allowable over the prior art of record since the cited references taken individually or in combination fails to particularly disclose a magnetic disk medium comprising each of the first ID information and the second ID information is encrypted in terms of a prescribed cryptosystem, as presented in the environment of claim 4. It is noted that the closest prior art, Albrecht et al., shows recording ID information using a coding scheme. However, Albrecht et al. fails to disclose each of the first ID information and the second ID information is encrypted in terms of a prescribed cryptosystem as claimed.

Claim 5 is allowable over the prior art of record since the cited references taken individually or in combination fails to particularly disclose a magnetic disk medium comprising each of the first ID information and the second ID information includes a body of ID information that is identifying information and digital signature information for the body of ID information, as presented in the environment of claim 5. It is noted that the closest prior art, Albrecht et al., shows recording ID information using a coding scheme. However, Albrecht et al. fails to disclose each of the first ID information and the second ID information includes a body of ID

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information that is identifying information and digital signature information for the body of ID information as claimed.

Claim 6 is allowable over the prior art of record since the cited references taken individually or in combination fails to particularly disclose a fixed magnetic disk drive mounting one or more disks that are defined by claim 1 comprising a decryption means for decrypting the first ID information and the second ID information, as presented in the environment of claim 6. It is noted that the closest prior art, Albrecht et al., shows a readout means for reading out the first ID information and the second ID information on the disk similar to the claimed invention. However, Albrecht et al. fails to disclose a decryption means for decrypting the first ID information and the second ID information as claimed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to James L. Habermehl whose telephone number is (571)272-7556. The examiner can normally be reached on 8:30-5:00.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Hudspeth can be reached on (571)272-7843. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Habermehl/jlh
11 Jun 05



DAVID HUDSPETH
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600